

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP03/12956

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G02B5/08, F21V7/00, G02F1/13357

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

-Int.Cl⁷ G02B5/08, F21V7/00, G02F1/13357

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 3-256090 A (Kabushiki Kaisha Meitaku System), 14 November, 1991 (14.11.91), Full text (Family: none)	1-3, 6 4, 5
Y A	JP 2002-279814 A (Matsushita Electric Industrial Co., Ltd.), 27 September, 2002 (27.09.02), Full text (Family: none)	1-3, 6 4, 5
Y A	JP 2002-169478 A (Koichi MATSUI), 14 June, 2002 (14.06.02), Full text (Family: none)	1-3, 6 4, 5

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"&" document member of the same patent family

Date of the actual completion of the international search
18 December, 2003 (18.12.03)

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20 January, 2004 (20.01.04)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-201616 A (Yugen Kaisha Taiyo Seisakusho), 27 July, 2001 (27.07.01), Full text (Family: none)	1-6
A	JP 2002-231041 A (Midori Denshi Kabushiki Kaisha), 16 August, 2002 (16.08.02), Full text (Family: none)	4, 5
A	JP 56-150006 U (Takaaki KAKUI), 10 April, 1980 (10.04.80), Full text (Family: none)	4, 5
A	JP 4-218202 A (Jiro SUGIMOTO), 07 August, 1992 (07.08.92), Full text (Family: none)	1-6